

# Permit to Operate

**FACILITY:** C-598

**EXPIRATION DATE:** 01/31/200

**LEGAL OWNER OR OPERATOR:** GUARDIAN INDUSTRIES CORP

**MAILING ADDRESS:** 11535 E MOUNTAIN VIEW AVE  
KINGSBURG, CA 93631-9211

**FACILITY LOCATION:** 11535 E MOUNTAIN VIEW AVE  
KINGSBURG, CA 93631

**FACILITY DESCRIPTION:** GLASS MANUFACTURING

The Facility to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

The Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**DAVID L. CROW**

Executive Director / APCO

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Director of Permit Services

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** C-598-0-1

**EXPIRATION DATE:** 01/31/2003

**EQUIPMENT DESCRIPTION:**

## **PERMIT UNIT REQUIREMENTS**

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)], [Federally Enforceable Through Title V]
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0], [Federally Enforceable Through Title V]
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020. [District Rule 2010, 3.0 and 4.0; 2020; and County Rule 201 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1], [Federally Enforceable Through Title V]
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031], [Federally Enforceable Through Title V]
7. Every application for a permit required under Rule 2010 (Permits Required) shall be filed in a manner and form prescribed by the District. [District Rule 2040], [Federally Enforceable Through Title V]
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.5.1], [Federally Enforceable Through Title V]
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.5.2], [Federally Enforceable Through Title V]
10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.6.1], [Federally Enforceable Through Title V]
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520. [District Rules 2520, 9.6.2 and 1100, 7.0], [Federally Enforceable Through Title V]
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.8], [Federally Enforceable Through Title V]

## Initial TV Permit

13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.9.2], [Federally Enforceable Through Title V]
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.9.3], [Federally Enforceable Through Title V]
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.9.4], [Federally Enforceable Through Title V]
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.9.5], [Federally Enforceable Through Title V]
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.10], [Federally Enforceable Through Title V]
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.14.2.1], [Federally Enforceable Through Title V]
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.14.2.2], [Federally Enforceable Through Title V]
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.14.2.3], [Federally Enforceable Through Title V]
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.14.2.4], [Federally Enforceable Through Title V]
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101, by using EPA method 9. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)], [Federally Enforceable Through Title V]
23. No person shall supply, sell, solicit or apply any architectural coating, except specialty coatings, that contains more than 250 grams of VOC per liter of coating (less water and exempt compounds, and excluding any colorant added to tint bases), or manufacture, blend, or repackage such coating with more than 250 grams of VOC per liter (less water and exempt compounds, and excluding any colorant added to tint bases) for use within the District. [District Rule 4601, 5.1], [Federally Enforceable Through Title V]
24. No person shall apply, sell, solicit, or offer for sale any specialty architectural coating listed in the Table of Standards (District Rule 4601, Table 1), nor manufacture, blend, or repackage such coating for use within the District, which contains VOCs (less water and exempt compounds, excluding any colorant added to tint bases) in excess of the specified limits listed in Table 1 of Rule 4601. [District Rule 4601, 5.2], [Federally Enforceable Through Title V]
25. All VOC-containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained or repaired. [District Rule 4601, 5.4], [Federally Enforceable Through Title V]
26. A person shall not use VOCs for the cleanup of spray equipment unless equipment for collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. [District Rule 4601, 5.5], [Federally Enforceable Through Title V]
27. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.2. [District Rule 4601, 6.1 and 6.2], [Federally Enforceable Through Title V]
28. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official [District Rule 2520, 9.14.1 and 10.0], [Federally Enforceable Through Title V]
29. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F], [Federally Enforceable Through Title V]
30. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B], [Federally Enforceable Through Title V]

## Initial TV Permit

31. Disturbances of soil related to any construction, demolition, excavation, extraction, or water mining activities shall comply with the requirements for fugitive dust control in SJVUAPCD District Rule 8020 unless specifically exempted under section 4 of Rule 8020. [District Rule 8020], [Federally Enforceable Through Title V]
32. Outdoor handling and storage of any bulk material which emits dust shall comply with the requirements of SJVUAPCD Rule 8030, unless specifically exempted under section 4 of Rule 8030. [District Rule 8030], [Federally Enforceable Through Title V]
33. Any paved road over 3 miles in length, and any unpaved roads over half a mile in length, constructed after December 10, 1993 shall use the design criteria and dust control measures of, and comply with the administrative requirements of, SJVUAPCD Rule 8060 unless specifically exempted under section 4 of Rule 8060. [District Rule 8060], [Federally Enforceable Through Title V]
34. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M], [Federally Enforceable Through Title V]
35. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.17], [Federally Enforceable Through Title V]
36. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2], [Federally Enforceable Through Title V]
37. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permit shall apply. [District Rule 2520, 9.1.1], [Federally Enforceable Through Title V]
38. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), Rules 201, 202, 203, 204, 208, and 209 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin), Rule 410.1 (Kern), and Rule 423 (Kern, Fresno, Stanislaus, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
39. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (12/17/92); 4601, sections 5.1, 5.2, 5.4, 5.5, 6.1, and 6.2 (12/17/92); 8020 (4/25/96); 8030 (4/25/96); 8060 (4/25/96); A permit shield is granted from these requirements. [District Rule 2520, 13.2], [Federally Enforceable Through Title V]
40. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
41. Should the facility, as defined in 40 CFR section 68.3 become subject to part 68, then the owner or operator shall submit a risk management plan (RMP) by the date specified in 40 CFR section 68.10. The facility shall certify compliance as part of the annual certification as required by 40 CFR part 70. [40 CFR 68], [Federally Enforceable Through Title V]
42. All equipment, facilities, and systems installed or used to achieve compliance with the terms and conditions of this Operating Permit shall at all times be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions. [PSD SJ 76-44], [Federally Enforceable Through Title V]
43. In the event of any changes in control or ownership of facilities, this Operating Permit shall be binding on all subsequent owners and operators. The applicant shall notify the succeeding owner and operator of the existence of this Operating Permit and its conditions by letter, a copy of which shall be forwarded to EPA Region IX, the State Air Resources Board, and District. [PSD SJ 76-44], [Federally Enforceable Through Title V]
44. The owner and operator shall operate the stationary source in compliance with all other applicable provisions of 40 CFR Parts 52, 60, and 61 and all other applicable Federal, State, and local air quality regulations. [PSD SJ 76-44], [Federally Enforceable Through Title V]

**Initial TV Permit**  
**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** C-598-1-2

**EXPIRATION DATE:** 01/31/2003

**EQUIPMENT DESCRIPTION:**

1,115 HP CUMMINS MODEL 7421 DIESEL-FUELED I.C. ENGINE #1, POWERING A 750 KW EMERGENCY GENERATOR.

## **PERMIT UNIT REQUIREMENTS**

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1. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. [District Rule 4701]
2. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. [District Rule 4701]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
4. The permittee shall maintain records of hours of operation and of the sulfur content of the diesel fuel used and shall make such records readily available to District staff upon request. [District Rule 1070], [Federally Enforceable Through Title V]
5. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801], [Federally Enforceable Through Title V]
7. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
8. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.2% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.2% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D4294. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** C-598-2-2

**EXPIRATION DATE:** 01/31/2003

**EQUIPMENT DESCRIPTION:**

1,115 HP CUMMINS MODEL 7421 DIESEL-FUELED I.C. ENGINE #2, POWERING A 750 KW EMERGENCY GENERATOR.

## **PERMIT UNIT REQUIREMENTS**

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1. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. This condition becomes federally enforceable upon SIP approval. [District Rule 4701]
2. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. This condition becomes federally enforceable upon SIP approval. [District Rule 4701]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
4. The permittee shall maintain records of hours of operation and of the sulfur content of the diesel fuel used and shall make such records readily available to District staff upon request. [District Rule 1070], [Federally Enforceable Through Title V]
5. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801], [Federally Enforceable Through Title V]
7. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
8. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.2% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.2% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D4294. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** C-598-3-2

**EXPIRATION DATE:** 01/31/2003

**EQUIPMENT DESCRIPTION:**

1,115 HP CUMMINS MODEL 7421 DIESEL-FUELED I.C. ENGINE #3, POWERING A 750 KW EMERGENCY GENERATOR.

## **PERMIT UNIT REQUIREMENTS**

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1. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. This condition becomes federally enforceable upon SIP approval. [District Rule 4701]
2. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. This condition becomes federally enforceable upon SIP approval. [District Rule 4701]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
4. The permittee shall maintain records of hours of operation and of the sulfur content of the diesel fuel used and shall make such records readily available to District staff upon request. [District Rule 1070], [Federally Enforceable Through Title V]
5. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 1070], [Federally Enforceable Through Title V]
6. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [District Rule 4801], [Federally Enforceable Through Title V]
7. Unit shall be fired only on diesel fuel with a sulfur content of less than 0.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
8. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.2% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
9. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.2% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D 2880-71. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** C-598-4-3

**EXPIRATION DATE:** 01/31/2003

**EQUIPMENT DESCRIPTION:**

182.0 MM BTU/HR FLOAT GLASS MANUFACTURING LINE TO INCLUDE: A MELTING FURNACE, TIN FLOAT BATH, ANNEALING LEHR, A UNITED MCGILL 3-500 MODULAR ELECTROSTATIC PRECIPITATOR, AND IS EQUIPPED WITH A CONTINUOUS EMISSIONS MONITOR.

## **PERMIT UNIT REQUIREMENTS**

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
2. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (last amended 12/17/92). [District Rule 1081; PSD SJ 76-44], [Federally Enforceable Through Title V]
3. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081; PSD SJ 76-44], [Federally Enforceable Through Title V]
4. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
5. Source tests shall be conducted at maximum operating capacity for a given year. In no case less than 360 tons glass pulled per day or 109 MMBtu/hr. [District Rule 4354; PSD SJ 76-44], [Federally Enforceable Through Title V]
6. The glass pull rate shall not exceed 600 tons per day. [District NSR Rule; District Rule 4354], [Federally Enforceable Through Title V]
7. The melting furnace shall be fired only on fuel oil with grades #6 or lower. [District NSR Rule], [Federally Enforceable Through Title V]
8. Sulfur content of the fuel oil shall not exceed 0.6% by weight. [District NSR Rule], [Federally Enforceable Through Title V]
9. Fuel oil consumption shall not exceed 1320 gallons per hour nor 11,563,000 gallons per year, except as otherwise provided in this document. [District NSR Rule], [Federally Enforceable Through Title V]
10. Records shall be maintained and shall contain: the daily glass pull rate; daily fuel oil consumption; daily raw material throughput; the amount of saltcake usage per 1000 pounds of sand; the occurrence and duration of any start-up, shutdown, malfunction, performance testing, calibrations, checks, adjustments, or any periods during which the CEM is inoperative; and the CEM emission measurements. [District Rules 1070 and Rule 1080, section 7.3], [Federally Enforceable Through Title V]
11. A continuous emission monitoring (CEM) shall be operated and maintained in calibration. Reports of CEM data, in accordance with Rule 1080 section 8.0 (12/17/92) for NOx, SOx, O2 and opacity, shall be submitted to the District. [District Rule 1080], [Federally Enforceable Through Title V]
12. The CEM system shall meet EPA 40 CFR Part 60, Appendix B - Performance Specifications and Appendix F - Quality Assurance Procedures. [District Rule 4001], [Federally Enforceable Through Title V]
13. A fuel oil analysis, to include sulfur content, shall be taken at the time of testing and the results of the analysis shall be submitted to the District along with the source test results. [District Rule 1081], [Federally Enforceable Through Title V]
14. The data acquisition system must be maintained and operated to enable the District computer system to access the CEM data. [District Rule 1080], [Federally Enforceable Through Title V]
15. Source testing to measure particulate matter including condensibles and particulate matter not including condensibles, shall be conducted using EPA Methods 5 and 8, and in accordance with Rule 1081, section 6.0 (12/16/93). [District Rule 1081; PSD SJ 76-44], [Federally Enforceable Through Title V]
16. Source testing to measure oxides of sulfur (as SO2) shall be conducted using EPA Method 8, or ARB Method 100, and in accordance with Rule 1081, section 6.0 (12/16/93). [District Rules 4801 and 1081; PSD SJ 76-44], [Federally Enforceable Through Title V]
17. Source testing to measure oxides of nitrogen (as NO2) shall be conducted using EPA Method 7E, or ARB Method 100, and in accordance with Rule 1081, section 6.0 (12/16/93). [District Rules 4354 and 1081; PSD SJ 76-44], [Federally Enforceable Through Title V]
18. Emissions shall not exceed 22 lb PM/hr including condensibles, 7.2 lb PM/hr not including condensibles, 140 lb SOx/hr (as SO2), 290 lb NOx/hr (as NO2), 5 lb CO/1000 gallons fuel, nor 1.13 lb VOC/1000 gallons fuel. [District NSR Rule; PSD SJ 76-44], [Federally Enforceable Through Title V]



## Initial TV Permit

19. The glass melting furnace shall demonstrate compliance with District Rule 4354 (last amended 9/14/94) at all times. [District Rule 4354], [Federally Enforceable Through Title V]
20. Source testing for NOx, SOx, CO, VOC, and PM10 shall be performed on an annual basis. [District Rule 4354, 6.0; District 2520, 9.4.2; PSD SJ 76-44], [Federally Enforceable Through Title V]
21. CEMS data shall be reduced according to the procedures established in 40 CFR Part 51, Appendix P, or by other methods deemed equivalent by mutual agreement with the District, CARB, and the EPA. [District Rule 1080, 7.2], [Federally Enforceable Through Title V]
22. Any violation of an emission standard must be reported to the APCO within 96 hours of detection. [District Rule 1080, 9.0], [Federally Enforceable Through Title V]
23. Any breakdown in the continuous emission monitors shall be reported as soon as reasonably possible, but no later than eight hours after detection. The Owner/operator shall inform the APCO of the intent to shut down the CEM at least 24 hours prior to the event. [District Rule 1080, 10.0], [Federally Enforceable Through Title V]
24. Fuel oil consumption shall not exceed 1228 gallons per hour on an average daily basis, until PSD SJ 76-44 Special Condition VIII is modified. [PSD SJ 76-44], [Federally Enforceable Through Title V]
25. The facility shall not use commercial arsenic as a raw material in the production process. [40 CFR 61, Subpart N], [Federally Enforceable Through Title V]
26. With approval from EPA, Guardian Industries Corporation may choose to conduct performance tests at production rates less than maximum operating capacity provided that actual plant production does not exceed the test rate. An increase in production levels beyond the maximum tested rate requires approval by EPA prior to such production increases. [PSD SJ 76-44], [Federally Enforceable Through Title V]
27. The amount of saltcake (NaSO4) in the batch formula shall not exceed 15 pounds per 1000 pounds of sand unless EPA approves a higher saltcake usage rate. [PSD SJ 76-44], [Federally Enforceable Through Title V]
28. Compliance with the fuel sulfur limit shall be demonstrated through certification of the sulfur content of each batch of fuel delivered to source by a third party supplier. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
29. All emissions from the furnace shall be ducted to the electrostatic precipitator. [District NSR Rule and PSD SJ 76-44], [Federally Enforceable Through Title V]
30. To ensure compliance with the PM emission limit, daily records of the transformers/rectifiers (T/R) primary and secondary voltage and current readings shall be maintained and made readily available for District inspection upon request. [District NSR Rule, District Rule 2520, 9.4.2, and PSD SJ 76-44], [Federally Enforceable Through Title V]
31. Source testing to measure VOCs shall be conducted using EPA Method 25A, expressed in terms of carbon, and in accordance with District Rule 1081, Section 6.0 (12/16/93). [District Rules 1081 and 4354, 6.5], [Federally Enforceable Through Title V]
32. Source testing to measure CO shall be conducted using EPA Method 10 or ARB Method 100, and in accordance with Rule 1081, section 6.0 (12/16/93). [District Rules 4354 and 1081], [Federally Enforceable Through Title V]
33. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (12/16/93), of 3 one-hour test runs for PM10; and the arithmetic mean of 3 forty-minute test runs for NOx and CO. This mean shall be multiplied by the appropriate factor to determine compliance with the emission limits. [District Rule 2520, 9.4.2; District Rule 4305, 5.0, 8.2 and/or 4351, 8.1], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** C-598-5-1

**EXPIRATION DATE:** 01/31/2003

**EQUIPMENT DESCRIPTION:**

140.0 HP RAW MATERIAL UNLOADING AND STORAGE TO INCLUDE: TRUCK HOPPER; RAW MATERIAL CONVEYOR; BUCKET ELEVATOR; AND BINS FOR SAND, SODA ASH, CULLET, DOLOMITE, SALTCAKE, AND LIMESTONE SERVED BY VARIOUS FLEX-KLEEN BV SERIES FABRIC COLLECTORS.

## **PERMIT UNIT REQUIREMENTS**

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1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201], [Federally Enforceable Through Title V]
  2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201], [Federally Enforceable Through Title V]
  3. PM concentration shall not exceed 0.05 grains/scf. [NSR; District Rule 4201], [Federally Enforceable Through Title V]
  4. PM10 emissions shall not exceed 5.0 lbs/day. [NSR; District Rule 4202], [Federally Enforceable Through Title V]
  5. Records of the daily process throughput shall be maintained. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  6. Dust collector filters shall be inspected at least once every two weeks while not in operation for any tears, holes, abrasions, and scuffs which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  7. Records of dust collector inspection, maintenance, and repair shall be maintained. These records shall include identification of the dust collector, date of inspection, any corrective action taken as a result of inspection, and initials of the personnel performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  8. Dust collectors shall be inspected weekly while in operation for visible emissions. If excessive visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bages as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  9. The facility shall conduct weekly visual inspections to determine whether visible emissions are present. If visible emissions are present, the facility will conduct a USEPA Method 9 test within 72 hours to determine if visible emissions are in excess of Ringlemann #1 or 20% opacity. If visible emissions can not be eliminated, the facility will conduct a EPA Method 5 test within 30 days of detection of visible emissions to demonstrate compliance with the particulate matter emission limit. [District NSR Rule and District Rule 1081], [Federally Enforceable Through Title V]
  10. The results of each source test shall be submitted to District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
  11. Compliance with the PM10 daily emission limit (DEL) for this unit shall be determined using arithmetic mean, pursuant to District Rule 1081 (amended December 16, 1993) of 3-one hour test runs for PM10. This shall be multiplied by the appropriate factor to determine compliance. [District Rule 1081 and District NSR Rule], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** C-598-6-1

**EXPIRATION DATE:** 01/31/2003

**EQUIPMENT DESCRIPTION:**

213.0 HP RAW MATERIAL WEIGHTING, MIXING, AND DELIVERY TO INCLUDE: ROUGE AND CHARCOAL HOPPERS, SCALES, CONVEYORS, AND CRUSHER SURGE HOPPER SERVED BY AIR VENT DUST BAGS AND VARIOUS FLEX-KLEEN BV SERIES FABRIC COLLECTORS.

## **PERMIT UNIT REQUIREMENTS**

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1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201], [Federally Enforceable Through Title V]
  2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201], [Federally Enforceable Through Title V]
  3. PM concentration shall not exceed 0.05 grains/scf. [NSR; District Rule 4201], [Federally Enforceable Through Title V]
  4. PM10 emissions shall not exceed 5.0 lbs/day. [NSR; District Rule 4202], [Federally Enforceable Through Title V]
  5. Records of the daily process throughput shall be maintained. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  6. Dust collector filters shall be inspected at least once every two weeks while not in operation for any tears, holes, abrasions, and scuffs which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  7. Records of dust collector inspection, maintenance, and repair shall be maintained. These records shall include identification of the dust collector, date of inspection, any corrective action taken as a result of inspection, and initials of the personnel performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  8. Dust collectors shall be inspected weekly while in operation for visible emissions. If excessive visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bages as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  9. The facility shall conduct weekly visual inspections to determine whether visible emissions are present. If visible emissions are present, the facility will conduct a USEPA Method 9 test within 72 hours to determine if visible emissions are in excess of Ringlemann #1 or 20% opacity. If visible emissions can not be eliminated, the facility will conduct a EPA Method 5 test within 30 days of detection of visible emissions to demonstrate compliance with the particulate matter emission limit. [District NSR Rule and District Rule 1081], [Federally Enforceable Through Title V]
  10. The results of each source test shall be submitted to District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
  11. Compliance with the PM10 daily emission limit (DEL) for this unit shall be determined using arithmetic mean, pursuant to District Rule 1081 (amended December 16, 1993) of 3-one hour test runs for PM10. This shall be multiplied by the appropriate factor to determine compliance. [District Rule 1081 and District NSR Rule], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** C-598-7-1

**EXPIRATION DATE:** 01/31/2003

**EQUIPMENT DESCRIPTION:**

30 HP SHEET GLASS SEAMER SERVED BY AN INDUSTRIAL CLEAN AIR PULSE CLEAN 500 SERIES MODULAR IV FABRIC COLLECTOR.

## **PERMIT UNIT REQUIREMENTS**

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1. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201], [Federally Enforceable Through Title V]
  2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201], [Federally Enforceable Through Title V]
  3. PM concentration shall not exceed 0.05 grains/scf. [NSR; District Rule 4201], [Federally Enforceable Through Title V]
  4. PM10 emissions shall not exceed 5.0 lbs/day. [NSR; District Rule 4202], [Federally Enforceable Through Title V]
  5. Records of the daily process throughput shall be maintained. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  6. Dust collector filters shall be inspected at least once every two weeks while not in operation for any tears, holes, abrasions, and scuffs which might interfere with the PM collection efficiency and shall be replaced as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  7. Records of dust collector inspection, maintenance, and repair shall be maintained. These records shall include identification of the dust collector, date of inspection, any corrective action taken as a result of inspection, and initials of the personnel performing the inspection. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  8. Dust collectors shall be inspected weekly while in operation for visible emissions. If excessive visible emissions are observed, appropriate action shall be taken, such as baghouse maintenance, cleaning, or replacement of bages as needed. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  9. The facility shall conduct weekly visual inspections to determine whether visible emissions are present. If visible emissions are present, the facility will conduct a USEPA Method 9 test within 72 hours to determine if visible emissions are in excess of Ringlemann #1 or 20% opacity. If visible emissions can not be eliminated, the facility will conduct a EPA Method 5 test within 30 days of detection of visible emissions to demonstrate compliance with the particulate matter emission limit. [District NSR Rule and District Rule 1081], [Federally Enforceable Through Title V]
  10. The results of each source test shall be submitted to District within 60 days thereafter. [District Rule 1081], [Federally Enforceable Through Title V]
  11. Compliance with the PM10 daily emission limit (DEL) for this unit shall be determined using arithmetic mean, pursuant to District Rule 1081 (amended December 16, 1993) of 3-one hour test runs for PM10. This shall be multiplied by the appropriate factor to determine compliance. [District Rule 1081 and District NSR Rule], [Federally Enforceable Through Title V]

**Initial TV Permit**

**San Joaquin Valley**  
**Air Pollution Control District**

**PERMIT UNIT:** C-598-8-1

**EXPIRATION DATE:** 01/31/2003

**EQUIPMENT DESCRIPTION:**

ONE 157 HP CUMMINS MODEL V-504-F2 DIESEL-FUELED I.C. ENGINE POWERING A WATER PUMP FOR FIRE PROTECTION.

**PERMIT UNIT REQUIREMENTS**

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1. The engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. This condition becomes federally enforceable upon SIP approval. [District Rule 4701]
  2. Operation of the engine for maintenance and testing purposes shall not exceed 200 hours per year. This condition becomes federally enforceable upon SIP approval. [District Rule 4701]
  3. Sulfur content of the fuel oil shall not exceed 0.2% by weight. [District Rule 4801], [Federally Enforceable Through Title V]
  4. The permittee shall maintain records of hours of non-emergency operation and of the sulfur content of the diesel fuel used and shall make such records readily available to District staff upon request. [District Rule 1070], [Federally Enforceable Through Title V]
  5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201], [Federally Enforceable Through Title V]
  6. If the IC engine is fired on Air Resources Board regulated diesel fuel, with a supplier certified sulfur content less than 0.2% by weight, the operator shall maintain copies of all fuel invoices and supplier certifications. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]
  7. If the IC engine is not fired on ARB regulated diesel fuel, with a supplier certified sulfur content less than 0.2% by weight, then the owner or operator shall determine the sulfur content of each delivery of diesel fuel being fired in the IC engine. The sulfur content shall be determined using ASTM method D4294. [District Rule 2520, 9.4.2], [Federally Enforceable Through Title V]

## Initial TV Permit